



# National Weather Service

## Storm Data and Unusual Weather Phenomena



July 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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### CONNECTICUT, Northeast

#### Hartford County

<b>Hartford</b>	01	0000EST			0	0			<b>Flood</b>
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South Branch of Park River

#### Hartford County

<b>Southington</b>	01	0000EST 0740EST			0	0			<b>Flood</b>
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Quinnipiac River

Heavy rain which fell on June 30th resulted in the continued flooding of two small streams in Hartford County into July 1st. The South Branch of the Park River in Hartford had reached flood stage at 9:45 PM on June 30th, crested at 9.85 feet at 10:30 PM, and then fell back below flood stage right at midnight at the start of July 1st. The Quinnipiac River in Southington had reached flood stage at 6:10 PM on June 30th, crested at 4.24 feet at 8:39 PM, then fell below flood stage at 8:40 AM on July 1st. No other flooding was reported during the rest of the month of July.

#### Hartford County

<b>Windsor</b>	20	1645EST			0	0			<b>Hail(0.88)</b>
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Nickel size hail was reported during a late afternoon thunderstorm. Time approximate.

#### Hartford County

<b>Suffield</b>	23	1158EST			0	0			<b>Hail(0.88)</b>
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#### Hartford County

<b>East Windsor</b>	23	1210EST			0	0			<b>Thunderstorm Wind (G50)</b>
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#### Hartford County

<b>New Britain</b>	23	1245EST			0	0	8K		<b>Lightning</b>
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A severe thunderstorm produced nickel size hail in Suffield in Hartford County. Lightning hit a chimney in New Britain, starting a fire. The fire was quickly extinguished and confined to the attic, but two third floor apartments were rendered uninhabitable. Thunderstorms brought large tree limbs down onto wires in East Windsor. Power outages affected up to 1,500 customers in the Hartford area.

### MASSACHUSETTS, Central and East

#### Bristol County

<b>Norton</b>	01 02	0000EST 1000EST			0	0			<b>Flood</b>
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Wading River

#### Bristol County

<b>Taunton</b>	01 02	0000EST 0700EST			0	0			<b>Flood</b>
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Ten Mile River

Heavy rain fell on June 30th and resulted in the continued flooding of at least two small streams in Bristol County, which lasted into the first couple of days of July. The Ten Mile River in Taunton had reached flood stage at 1:30 PM on June 30th and then fell below flood stage at 8 AM on July 2nd. The Wading River in Norton had reached flood stage at 10:30 PM on June 30th, crested at 10.35 feet at 10:15 PM on July 1st, and then fell below flood stage at 11 AM on July 2nd. No other flooding was reported during the rest of the month of July.

#### Franklin County

<b>Greenfield to Montague</b>	16	1400EST 1405EST			0	0			<b>Hail(1.00)</b>
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#### Franklin County

<b>Greenfield</b>	16	1425EST			0	0			<b>Hail(0.75)</b>
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### MASSACHUSETTS, Central and East

#### Franklin County

Erving	16	1530EST			0	0			Thunderstorm Wind (G50)
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A severe thunderstorm affected several communities in Franklin County. Quarter size hail fell in Greenfield and Montague. About 20 minutes later, dime size hail was reported in Greenfield. Local police reported that thunderstorm winds blew down some trees, which brought down wires in Erving.

#### Hampden County

West Springfield	17	2017EST			0	0			Hail(0.75)
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#### Hampden County

Springfield	17	2033EST			0	0			Hail(0.88)
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A mid-evening thunderstorm produced large hail in Springfield. Dime size hail was reported in West Springfield, while nickel size hail fell in the northeast part of Springfield.

#### Worcester County

Millville to Milford	20	1120EST			0	0			Lightning
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#### Norfolk County

Bellingham to Franklin	20	1130EST			0	0			Thunderstorm Wind (G50)
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#### Norfolk County

Norfolk	20	1130EST			0	0	100K		Lightning
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#### Norfolk County

Plainville	20	1130EST			0	0	15K		Lightning
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#### Norfolk County

Wrentham	20	1130EST			0	0	20K		Lightning
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#### Plymouth County

West Bridgewater	20	1205EST			0	0			Hail(1.00)
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#### Plymouth County

Pembroke to Marshfield	20	1210EST			0	0	5K		Lightning
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#### Plymouth County

Pembroke to Marshfield	20	1215EST			0	0			Thunderstorm Wind (G50)
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#### Barnstable County

Provincetown	20	1245EST			0	0			Thunderstorm Wind (G50)
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Tree damage caused by severe thunderstorm winds resulted in power outages in the Norfolk County towns of Medway, Franklin, and Bellingham. In addition, many lightning strikes were reported, contributing to the power outages. As many as six buildings, including one house, were struck by lightning in Milford in extreme southeast Worcester County. In Norfolk County, lightning strikes resulted in some damage. In the town of Norfolk, a lightning strike caused an electrical surge which ignited a fire that caused an estimated \$100,000 damage to a house. Lightning struck a public building in Wrentham, resulting in an estimated \$20,000 damage to equipment. A chapel was struck in Plainville and the resulting fire caused an estimated \$10,000 to \$15,000 damage. No injuries were reported from any of the lightning strikes, but up to 4,000 area electric customers lost service. Lightning also struck the Upton Town Hall and the Millville Fire Station, both towns in extreme southeast Worcester County. No serious damage was reported.

In Plymouth County, 40 to 50 large tree branches were blown down in Marshfield. Also in Marshfield, lightning knocked out communications at the local fire department. In neighboring Pembroke, many trees were knocked down in the northern part of town and one tree crushed a parked automobile. Also, in Pembroke, a lightning strike set a garage afire and destroyed the car parked inside. Dime to quarter size hail was reported in West Bridgewater. At about 1:45 PM, thunderstorm winds overturned a small plane at Provincetown Airport on the outer tip of Cape Cod.



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### MASSACHUSETTS, Central and East

Hampden County								
Holyoke	20	1558EST			0	0		Thunderstorm Wind (G50)
Hampshire County								
Easthampton	20	1559EST			0	0		Thunderstorm Wind (G50)
Hampden County								
Blandford	20	1600EST			0	0	8K	Lightning
Hampden County								
Springfield	20	1613EST			0	0		Hail(0.88)
Hampden County								
Holyoke	20	1615EST			0	0		Thunderstorm Wind (G50)
Hampden County								
Ludlow	20	1621EST			0	0		Thunderstorm Wind (G50)

In Hampden County, thunderstorm winds knocked down trees and wires in Holyoke. Also, the strong winds bent a 1.5 inch aluminum pipe on a ground plane antenna in Ludlow. Nickel size hail was reported in Springfield. In Hampshire County, numerous 4-inch diameter tree limbs were reported covering a road in Easthampton. Lightning strikes caused only minor damage, except in Blandford, where two buildings were set on fire. An apartment building sustained extensive damage to the attic and 2nd floor. A shed was set on fire, but was quickly extinguished.

Middlesex County								
Acton	23	1212EST			0	0		Hail(0.75)
Hampden County								
East Longmeadow	23	1218EST			0	0		Thunderstorm Wind (G50)
Hampden County								
Monson	23	1235EST			0	0		Thunderstorm Wind (G50)
Worcester County								
Spencer	23	1240EST			0	0		Thunderstorm Wind (G50)
Worcester County								
Webster	23	1240EST			0	0		Thunderstorm Wind (G50)
Worcester County								
Millbury to Grafton	23	1255EST 1301EST			0	0		Thunderstorm Wind (G50)
Worcester County								
Uxbridge	23	1310EST			0	0		Thunderstorm Wind (G50)
Middlesex County								
Stow	23	1315EST			0	0		Hail(0.75)
Middlesex County								
Stow	23	1315EST			0	1		Lightning
Middlesex County								
Concord to Lincoln	23	1320EST			0	11	70K	Lightning
Middlesex County								
Hopkinton	23	1320EST			0	0		Thunderstorm Wind (G50)
Middlesex County								
Lexington	23	1320EST			0	0		Hail(1.00)
Essex County								
Marblehead	23	1330EST			0	0	5K	Lightning



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### MASSACHUSETTS, Central and East

#### Norfolk County

Medway to  
Wrentham

23

1335EST  
1342EST

0

0

Thunderstorm Wind (G50)

An isolated early afternoon thunderstorm produced dime size hail in Acton in Middlesex County. Then, severe thunderstorms moved eastward across Massachusetts from Hampden County to Worcester, Middlesex, and Norfolk Counties during the afternoon. Severe weather was first reported in Hampden County where local law enforcement officials reported trees blown down in East Longmeadow. A short time later, trees and large tree limbs were blown down in Monson. In Worcester County, trees and power lines were downed in Spencer and small trees were downed in Webster. One tree and several large limbs were blown down in Grafton. Trees were reported down in Millbury. Large branches, 6 to 12 inches in diameter, were reported down in Uxbridge. Public reports of a possible tornado in Dudley were not confirmed.

In Middlesex County, in West Concord, three campers were injured while seated in a tent at a local campsite. Six others in the tent were visibly shaken by the lightning strike and all were transported to the nearest hospital. One staff member and two campers were held at the hospital. None of the victims showed any burns and none was seriously injured. Lightning strikes caused some serious damage in Concord. A house sustained \$20,000 damage when a chimney and a portion of the roof were blown off. A business establishment reported \$50,000 damage to their alarm system. In Stow, a 7-year-old boy was injured by a bolt of lightning which struck his house while he was in contact with a dehumidifier. He was admitted for observation at the local hospital. In Lincoln, one person was struck by lightning at the airport at Hanscom Field while holding the ground wire for a blimp and was transported to the local hospital.

Also, in Middlesex County, two to three foot diameter branches were blown down in Hopkinton. Dime size hail was observed at an apple orchard in Stow and quarter size hail was reported in Lexington. Farther east, in Essex County, the storms were not severe, but pea size hail fell at Manchester-by-the-Sea along with 2.85 inches of rain. Lightning struck the steeple of a church in Marblehead and started a fire which resulted in several thousand dollars in damage. Small limbs were downed on the Danvers-Middleton town line. Severe thunderstorms did continue east into western Norfolk County, where large branches were reported blown down in Medway, Franklin, and Wrentham. Large tree limbs were reported down on wires in Franklin

MAZ010

Eastern Hampshire

29

1213EST

0

0

Strong Winds

A thunderstorm produced a wind gust estimated at 50 mph. It blew down some small tree limbs and one power line.

### NEW HAMPSHIRE, Southern

NHZ011

Cheshire

10

1438EST

0

0

Strong Winds

In Cheshire County in the town of Swanzey, wind gusts associated with a heavy rain shower were estimated up to 40 to 50 mph. The strong winds knocked down one tree, which subsequently fell onto a power line, bringing down some wires.



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### RHODE ISLAND

#### Providence County

North Providence	01	0000EST 0600EST			0	0			Flood
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Woonasquatucket River

#### Providence County

South Foster	01	0000EST 0200EST			0	0			Flood
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Ponaganset River

#### Providence County

Cranston	01 02	0915EST 0900EST			0	0			Flood
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Pawtuxet River

Heavy rainfall on June 30th resulted in flooding of small streams with at least two streams continuing above flood stage into July 1st. In Providence County, the Ponaganset River in South Foster had reached flood stage at 1 PM on June 30th, crested at 6.31 feet at 5 PM, then fell below flood stage at 3 AM on July 1st. The Woonasquatucket River in North Providence had reached flood stage at 8:10 PM on June 30th and then fell below flood stage at 7 AM on July 1st. In Cranston, the Pawtuxet River did not reach flood stage until 10:15 AM on July 1st, crested at 9.40 feet at 8 PM on the 1st, and then fell below flood stage at 10 AM on July 2nd. No other flooding was reported during the rest of the month of July.